

WHAT IS CLAIMED IS:

1. A regeneration method of a filter fabric comprising at least the steps of:

fibrillation treatment for fibrillating a used filter fabric; and
nonwoven treatment for producing a nonwoven fabric from fibers obtained by the fibrillation treatment.

2. The regeneration method according to claim 1 further comprising the step of powder dust separation treatment for separating powder dust adhering to the fibers obtained by the fibrillation treatment prior to the nonwoven treatment.

3. The regeneration method according to any one of claims 1 and 2, wherein the used filter fabric is fibrillated by an automatic fibrillating apparatus in the fibrillation treatment.

4. The regeneration method according to any one of claims 1 to 3, wherein the used filter fabric is a filter fabric added a chemical agent for decomposing both dioxin and dioxin origin substances so as to prevent dioxin from adhering to the filter fabric while the filter fabric is being used.

5. The regeneration method according to any one of claims

1 to 4, wherein the used filter fabric is mainly made up of PTFE fibers.

6. The regeneration method according to any one of claims 1 to 5, wherein the used filter fabric contains at least PTFE fibers and inorganic fibers.

7. A regenerated filter fabric comprising at least a dust collection layer which is mainly made up of fibrillated fibers obtained by fibrillating a used filter fabric.

8. The regenerated filter fabric according to claim 7 further comprising a base cloth to which the dust collection layer is fixed.

9. The regenerated filter fabric according to claim 7 or 8, wherein the dust collection layer is made up of the fibrillated fibers mixed with auxiliary fibers.

10. The regenerated filter fabric according to any one of claims 7 to 9, wherein the dust collection layer is formed by nonwoven fabric produced from fibers which make up the dust collection layer itself by nonwoven treatment.

11. The regenerated filter fabric according to any one

of claims 7 to 10, wherein the used filter fabric is mainly made up of PTFE fibers.

12. The regenerated filter fabric according to any one of claims 7 to 11, wherein the used filter fabric contains at least PTFE fibers and inorganic fibers.